

Eighteenth Winter  
**Commencement Exercises**

University of Arkansas

Saturday, January 30, 1965



**Program**

. . .

**Degrees Awarded**

# Commencement Exercises

University of Arkansas

Saturday, January 30, at 2:00 p. m.

1965

## Program

CARILLONIC BELLS RECITAL . . . . . *John Enis*

Processional: Academic Procession . . . . . *Davidson*  
JERRY DAVIDSON, *Organist*

The Star Spangled Banner . . . . .  
KENNETH L. BALLENGER, *Director*

Prayer . . . . .  
JAMES W. RAINWATER, *Pastor*  
*First Christian Church, Fayetteville*

Commencement Address . . . . .  
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*Salzburg Seminar In American Studies*

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Presentation of Diplomas . . . . .  
DAVID W. MULLINS, *President*

Alma Mater . . . . . *Tovey*  
KENNETH L. BALLENGER, *Director*

Pure as the dawn on the brow of thy beauty  
Watches thy Soul from the mountains of God  
Over the fates of thy children departed  
Far from the land where their footsteps have trod  
Beacon of hope in thy ways dreary lighted,  
Pride of our hearts that are loyal and true;  
From those who adore unto one who adores us,  
Mother of Mothers, we sing unto you.—*By Brodie Payne*

Benediction . . . . .  
JAMES W. RAINWATER

Recessional: Trumpet Tune . . . . . *Purcell*  
JERRY DAVIDSON



# Degrees in Course

Presented by Robert F. Kruh, Dean of the College of Arts and Sciences

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- William Cary Anderson (History)  
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- Brenda Lou Ball (History)  
B.S., Henderson State Teachers College
- John Danton Barkman (Geography)  
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B.A., Arkansas State Teachers College
- Audria Eaves Bogan (Mathematics)  
B.A., Hendrix College
- Annetta Beth Boyett (English)  
B.A., McMurry College
- Catherine Jane Bruce (English)  
B.A., Mt. Holyoke College
- Scherrey Paul Cardwell (English)  
B.S., St. John's Seminary
- Jamie Umsted Castleberry (Speech & Drama)  
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B.S., University of Arkansas
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- Elizabeth Auvert Eason (Comparative Literature)  
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- Michael Wilson Fanning (Comparative Literature)  
B.A., Abilene Christian College
- Mary Joan Miller Gage (English)  
B.S.E., Arkansas State College
- Michael Edward Gray (History)  
B.A., University of Arkansas
- Ronnie Lloyd Green (Speech & Drama)  
B.A., Idaho State College
- Erie Beth Greer (Psychology)  
B.A. in Ed., Louisiana Polytechnic College
- Beverly Gail Harl (Speech & Drama)  
B.A., Northeastern State College
- Judith Taylor Hefley (English)  
B.A., University of Arkansas
- Lemly David Hutt, Jr. (Psychology)  
B.A., University of Arkansas
- Marette McCauley Jackson (English)  
B.S.E., Arkansas State Teachers College
- Mary Kathryn James (English)  
B.A., Nebraska State College
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B.A., Arkansas Polytechnic College
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B.A., Arkansas Polytechnic College
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A.B., Drury College
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M.A., University of Arkansas
- Mary Elizabeth Fox Wilkerson (English)  
B.A., University of Arkansas
- Noah James Wilson (History)  
B.A., Harding College



## MASTER OF SCIENCE

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- George A. Albritton (Horticulture)**  
B.S., New Mexico State University
- James William Atwood (Animal Nutrition)**  
B.S., University of Illinois
- Billy Wayne Baker (Poultry Husbandry)**  
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B.S.A., University of Arkansas
- Jimmie D. Barrack (Bacteriology)**  
B.S., University of Arkansas
- James Barrentine (Agronomy-Crops)**  
B.S.A., University of Arkansas
- William Lewis Barrentine (Agronomy-Crops)**  
B.S.A., University of Arkansas
- Robert Lewis Bennett (Geology)**  
B.S., University of Arkansas
- Calvin M. Bracy (Natural Science)**  
B.S., University of Arkansas
- Elizabeth Bright (Nutrition)**  
B.S.H.E., University of Arkansas
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B.S., Arkansas State Teachers College
- Essie Mae Carter (Home Economics)**  
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B.S.A., University of Arkansas
- Wallace C. Cummings (General Agriculture)**  
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- Arthur C. Cunningham (Physics)**  
A.B., William Jewell College
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- Kenneth Bruce Davis, Jr. (Zoology)**  
B.A., University of Arkansas
- Reba Jones Davis (Home Economics)**  
B.S., Texas Women's University
- Jay Nicholas Dykstra (Zoology)**  
B.S.Ed., Eastern Oregon College
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B.S.E., University of Arkansas
- Elizabeth Ellis (Home Economics)**  
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B.A., Rice University
- Mary Jo Evans (Zoology)**  
B.S.E., University of Arkansas
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B.S., University of Arkansas
- Edward G. Fishman (Chemistry)**  
B.S., City College of New York
- Carl O. Fite (Botany)**  
B.S.E., University of Arkansas  
M.S., University of Arkansas
- Lawrence A. Frederick (Mathematics)**  
B.S., Parks College
- Kermit Albert Gaar, Jr. (Pharmacology)**  
A.B., University of Mississippi
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- Peggy Raye James Garrison (Home Economics)**  
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- Joseph Martin Guenter (Physics)**  
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- James Carroll Hill (Bacteriology)**  
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- Jerry Wayne Hodge (Mathematics)**  
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- Mary Anne Holdar (Nutrition)**  
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- Edward L. Holifield (Agronomy-Crops)**  
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- Janita Jones Hoskyn (Home Economics)**  
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B.S.A., University of Arkansas
- Larry Allen Lewis (Entomology)**  
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- Yuo Chung Lin (Agricultural Economics)**  
B.S., National Taiwan University
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B.S., Oklahoma State University  
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B.S., College of the Ozarks  
Lynda Fay Stair (Mathematics)  
B.A., University of Arkansas  
Soebijanto Sujadi (Agronomy-Crops)  
B.Sc.A., Akademi Pertanian  
Kalyanarama Vanchinathan (Animal Husbandry)  
B.S., Madras University

Byron Van Dover (Botany)  
B.S.E., University of Arkansas  
Jerry DeWayne Vanerwegen (Mathematics)  
B.S., Southern Missionary College  
Robert Howard Watson (Botany)  
B.S.A., University of Arkansas  
James Patrick White (Bacteriology)  
B.S., Marian College  
J. B. Williams (General Agriculture)  
B.S., Oklahoma A. & M. College  
Martha Patton Williams (Home Economics)  
B.S.H.E., University of Arkansas  
William Vincent Wyatt (Chemistry)  
B. S., Arkansas State College

## MASTER OF BUSINESS ADMINISTRATION

John Andrew Bonno  
B.A., Kentucky Wesleyan College  
Gary Dean Brown  
B.S.B.A., University of Arkansas  
Ronald Burke Geenens  
B.A., Baker University  
M.A., Kansas City University  
Virginia May Guffey  
B.S.E., University of Arkansas  
William J. Heffernan  
B.S., Christian Brothers College  
Gordon Adolph Hosch  
B.S., Louisiana State University  
David L. Kurtz  
B.A., Davis & Elkins College  
Frederick Charles Lickteig  
B.A., University of Dallas  
Jimmy Connel Maynard  
B.S., Georgia Southern College  
James Carl Mebane  
B.S., Arkansas State College  
Wilford G. Miles, Jr.  
B. S., University of Akron  
John G. Nicks  
B.B.A., University of Oklahoma  
Robert John O'Connell, II  
B.B.A., Arkansas A. & M. College

Ronald Montgomery Pyle  
B.A., Hendrix College  
Robert Julius Rennie  
B.S., Arkansas Polytechnic College  
Philip Foy Rice  
B.S.E.E., University of Arkansas  
Gayle Don Riggs  
A.B., Drury College  
Raymond Burton Robbins  
B.S., Arkansas State Teachers College  
Samuel I. Rosson, Jr.  
B.B.A., University of Texas  
Homer Lee Saunders  
B.A., University of Arkansas  
B.S.E., University of Arkansas  
William Frederick Schoell, III  
B.S., Louisiana State University  
Donald Ray Slack  
B.S., Northeast Louisiana State College  
Everett Eugene Summerhill  
B.A., Arkansas State Teachers College  
Robert Richard Wallace  
B.B.A., Arkansas A. & M. College  
Joe Ray Zug  
B.S., Arkansas Polytechnic College

## MASTER OF EDUCATION

Billy Gene Abernathy (Educational Administration)  
B.S.E., Arkansas Polytechnic College  
Clinton Alexander (Secondary Education)  
A.B., Ripon College  
Pel Austin (Vocational Education)  
B.S.Ed., Arkansas State Teachers College  
Eugene A. Ballard (Vocational Education)  
B.S., Arkansas State College  
Mary Reece Barnsley (Elementary Education)  
B.S., College of the Ozarks  
Robert Harold Basham (Educational Administration)  
B.A., College of the Ozarks  
Gary Pitt Bond (Physical Education)  
B.S., College of the Ozarks  
Emma Jo Bradley (Vocational Education)  
B.S.E., Arkansas State Teachers College  
John R. Bradley (Educational Administration)  
B.S., College of the Ozarks  
Cleveland E. Branscum (Physical Education)  
B.S.E., Little Rock University  
Geneva Blanche Price Brashears (Vocational Education)  
B.S.E., University of Arkansas

Glen Austin Browning (Elementary Education)  
B.A., Harding College  
D'Ann Bruton (Elementary Education)  
B.A., John Brown University  
Elizabeth B. Buffington (Elementary Education)  
B.S.Ed., Grambling College  
Clyde J. Bunton (Vocational Education)  
B.S.A., University of Arkansas  
Ellen Yeager Cargile (Secondary Education)  
B.S., University of Texas  
Wallace Cheatham (Educational Administration)  
B.S.E., Southern State College  
Jerry Edward Cheek (Physical Education)  
B.A., Drury College  
Donald Ross Coker (Educational Administration)  
B.S., East Texas State College  
Wayne Ellsworth Colwell (Vocational Education)  
B.S., John Brown University  
B.D., Grace Theological Seminary  
Bonnie B. Connor (Elementary Education)  
B.S.E., Arkansas State Teachers College  
Lillie B. Sanders Cooper (Elementary Education)  
B.S., Arkansas A. M. & N. College



**Leonard A. Cowan (Music Education)**

B.A., Arkansas Polytechnic College

**Robert Arnell Crawley (Vocational Education)**

B.S.A., University of Arkansas

**Bill Crowder (Physical Education)**

B.S., College of the Ozarks

**Helen D. Cyrus (Elementary Education)**

B.A., Philander Smith College

**Francene Sarah Davis (Physical Education)**

B.S.S.E., John Brown University

**Henry Vestal Dean (Elementary Education)**

B.S.E., Arkansas A. & M. College

**Gladys Luna Deckelman (Educational Administration)**

B.S.Ed., Arkansas A. & M. College

**Wilma Pitts Delaney (Elementary Education)**

B.S., Arkansas A. M. & N. College

**Grace Phelps Dupree (Vocational Education)**

B.S.E., Arkansas State Teachers College

**Sylvia Durham (Elementary Education)**

B.S.E., University of Arkansas

**James Warren Edmisten (Educational Administration)**

B.S.E., Arkansas State Teachers College

**John Wayne Estelle (Educational Administration)**

B.S.E., University of Arkansas

**Coralee Thompson Evensen (Elementary Education)**

B.S.E., University of Arkansas

**Willie Mae Fears (Elementary Education)**

B.S., Northeastern State College

**Barbara Hunt Fels (Elementary Education)**

B.S.E., Arkansas State Teachers College

**Betty P. Fincher (Music Education)**

B.M.E., Henderson State Teachers College

**Charles E. Fincher (Physical Education)**

B.S.E., Henderson State Teachers College

**Stanley Gene Finck (Music Education)**

B.M., State University of Iowa

**Evelyn T. Fitzpatrick (Elementary Education)**

B.S.E., Southern State College

**Mary Juanita Foster (Secondary Education)**

B.S.E., Southern State College

**James Leonard Gibson (Educational Administration)**

B.S.E., Arkansas State Teachers College

**Orpha Ray Gibson (Secondary Education)**

B.S.E., Southwest Missouri State College

**Billie Nichols Golden (Secondary Education)**

B.S.E., Arkansas State College

**Elaine Watson Goode (Physical Education)**

B. S. E., Arkansas State Teachers College

**Dale Ray Gordon (Educational Administration)**

B.S.A., University of Arkansas

**William F. Grady (Educational Administration)**

B.A., Harding College

**Betty McConnell Hardin (Vocational Education)**

B.A., Northwestern State College

**Thomas Edward Hardin (Educational Administration)**

B.S.E., University of Arkansas

**Irene Harris (Secondary Education)**

B.S.Ed., Arkansas A. M. & N. College

**Martha Hileman (Vocational Education)**

B.S.E., University of Arkansas

**Thomas Fomby Holman (Educational Administration)**

B.S.E., Southern State College

**Larry Gilbert Hudson (Educational Administration)**

B.S.E., Southern State College

**Bobby L. Johnson (Physical Education)**

B.S., College of the Ozarks

**Virgil Dennis Johnson (Elementary Education)**

B.S.E., University of Arkansas

**Dorothy R. King (Elementary Education)**

B.S., Abilene Christian College

**Richard A. Kitt (Vocational Education)**

B.A., Arkansas Polytechnic College

**James Joseph Kretschmar, Jr. (Music Education)**

B.S.E., University of Arkansas

**Linda Lehnhard (Elementary Education)**

B.S.E., University of Arkansas

**Wilma Alice Logue (Secondary Education)**

B.S.E., University of Arkansas

**Jeanne Anne Childress Lowes (Vocational Education)**

B.S.E., Southeast Missouri State College

**Dean Holland May (Elementary Education)**

B.S.E., University of Arkansas

**George Franklin McAlister (Secondary Education)**

B.A., University of Arkansas

**Geneva Sisk McDaniel (Secondary Education)**

B.S., Philander Smith College

**Ulysses McIntosh (Educational Administration)**

B.A., Arkansas A. M. & N. College

**James Hubert McKeown (Educational Administration)**

B.S., Arkansas A. & M. College

**Bryden Earl Moon (Vocational Education)**

B.S.E., University of Alaska

**Curtis R. Morton (Vocational Education)**

B.A., Southern Missionary College

**Duel Glynn Mosley (Physical Education)**

B.S., Arkansas Polytechnic College

**Richard L. Mulloy (Educational Administration)**

B.S.E., Arkansas State Teachers College

**Corinne S. Nelson (Elementary Education)**

B.S.E., Arkansas State Teachers College

**Robert E. Nix (Educational Administration)**

B.S., Arkansas Polytechnic College

**Ruby Belle Overstreet (Elementary Education)**

B.S.E., Northeastern State College

**Ruth Virginia Palmer (Elementary Education)**

B.S., North Texas State Teachers College

**Patricia P. Patterson (Elementary Education)**

B.S.E., Henderson State Teachers College

**Larry Eugene Phillips (Educational Administration)**

B.S., Henderson State Teachers College

**Carolyn Murphy Poole (Vocational Education)**

B.S., Arkansas A. & M. College

**Hurshell Dean Qualls (Educational Administration)**

B.S., Arkansas A. M. & N. College

**Lois J. Ramsay (Secondary Education)**

B.S., Lacroce State College

Virginia Malone Ray (Elementary Education)

B.A., Northwestern State College

Elmer Eugene Rich (Educational Administration)

B.S.E., University of Arkansas

Margaret Roberts (Elementary Education)

B.S.E., Arkansas State Teachers College

William H. Roberts, Jr. (Music Education)

B.S., Arkansas State Teachers College

M.A., University of Kansas

B.M.Ed., University of Michigan

Minnie Moss Rogers (Elementary Education)

B.S., Philander Smith College

Phillip Warren Sanders (Educational Administration)

B.S., College of the Ozarks

Helen Reed Scott (Music Education)

B.M.E., Ouachita Baptist College

James G. Sellers (Vocational Education)

B.S., Midwestern University

Miles R. Shopfner (Vocational Education)

B.S., University of Arkansas

Herise A. Simmons (Elementary Education)

B.A., Arkansas A. M. & N. College

Allie Evelyn Smith (Elementary Education)

B.S.E., Southeastern State College

Ferrell Roger Smith (Vocational Education)

B.S.B.A., University of Arkansas

Roy E. Smith (Secondary Education)

B.S., Arkansas State Teachers College

Paul O. Sparkman (Music Education)

B.S.E., University of Arkansas

Mary Louise Braden Spencer (Educational Administration)

B.A., University of Arkansas

Mayme Pettis Stafford (Elementary Education)

B.A., Philander Smith College

Charles Gary Standridge (Vocational Education)

B.S., University of Arkansas

Clarissa Welsh Stephens (Elementary Education)

B.S.E., Arkansas State Teachers College

Margie Sue Stephens (Music Education)

A.B., Union College

Barbara Teague (Secondary Education)

B.S.E., Arkansas A. & M. College

Jerrell E. Terrell (Vocational Education)

B.S.E., University of Arkansas

William Gordon Thornton (Physical Education)

B.S., University of Kansas

Don G. Thurman (Vocational Education)

B.A., Arkansas Polytechnic College

W. C. Tims, Sr. (Educational Administration)

B.A., Bishop College

Beulah Fairless Tinsley (Elementary Education)

B.S.S.W., University of Arkansas

Sara E. Todd (Secondary Education)

B.S.E., Arkansas A. M. & N. College

Clyde Etta Tyler (Elementary Education)

B.S., Arkansas A. M. & N. College

Tyrone Winston Tyler (Music Education)

B.S., Arkansas A. M. & N. College

Mira Anne Vanpatten (Physical Education)

B.S.E., University of Arkansas

Marvin Edward Wallace (Vocational Education)

B.S.B.A., University of Arkansas

Pearl Cotledge Warren (Vocational Education)

B.S.H.E., Philander Smith College

Thomas W. Watson (Music Education)

B.S.B.A., University of Arkansas

Hazel Rogers Whitehead (Elementary Education)

B.S.E., Southern State College

Katie Marie Allen Williams (Secondary Education)

B.S., Philander Smith College

Harold Kelvin Wilson (Vocational Education)

B.S., Arkansas A. & M. College

Sandra Sue Wilson (Physical Education)

B.S., Oria State University

James Floyd Worley (Elementary Education)

B.S.E., Southern State College

Rex L. Yerby (Physical Education)

B.S., College of the Ozarks

Stella Pauline Young (Elementary Education)

B.S.E., Southwest Missouri State College

## MASTER OF SCIENCE IN AGRICULTURAL ENGINEERING

Raymond Charles Benz (Agricultural Engineering)

B.S.Ag.E., University of Arkansas

## MASTER OF SCIENCE IN CHEMICAL ENGINEERING

Alfred Leo Baxley, Jr. (Chemical Engineering)

B.S.Ch.E., University of Arkansas

Carl Lewis Griffis (Chemical Engineering)

B.S.Ch.E., University of Arkansas

Deepak Rasiklal Maniar (Chemical Engineering)

B.S., University of Southwest Louisiana



## MASTER OF SCIENCE IN CIVIL ENGINEERING

- |   |  |
|---|--|
| Frank J. Barborek, III (Civil Engineering)<br>B.S.C.E., University of Arkansas  | Robert Samuel Pitts, Jr. (Civil Engineering)<br>B.S.C.E., University of Arkansas |
| Billy Ray Barton (Civil Engineering)<br>B.S.C.E., University of Arkansas        | John David Porter (Civil Engineering)<br>B.S.C.E., University of Arkansas        |
| James William Board (Civil Engineering)<br>B.S.Ag.E., University of Arkansas    | Jerry Rowland Rogers (Civil Engineering)<br>B.S., University of Arkansas         |
| Lawrence R. Fisher, Jr. (Civil Engineering)<br>B.S.C.E., University of Arkansas | Kent Evans Shreeve (Civil Engineering)<br>B.S.C.E., University of Arkansas       |
| John Paul Hoskyn (Civil Engineering)<br>B.S.Ag.E., University of Arkansas       |  |

## MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

- |   |   |
|---|---|
| Celik Aktas (Electrical Engineering)<br>Diploma in Electrical Engineering, The<br>Technical School of Istanbul, Turkey<br>M.S. in E.E., The Technical School of<br>Istanbul, Turkey | Donald Woodrow Nalley, Sr. (Electrical<br>Engineering)<br>B.S.E.E., Clemson College     |
| William Louis Chisholm, Jr. (Electrical<br>Engineering)<br>B.S., Christian Brothers College   | John Sydney Pazdera, Jr. (Electrical<br>Engineering)<br>B.S.E.E., Washington University |
| Yervand Mathevossian (Electrical<br>Engineering)<br>B.S., Oklahoma State University   | Jerry Reese Yeargan (Electrical<br>Engineering)<br>B.S.E.E., University of Arkansas     |
| Robert Taylor Mitchell (Electrical<br>Engineering)<br>B.S., John Brown University<br>M.S., University of Arkansas   |   |

## MASTER OF SCIENCE IN ENGINEERING MECHANICS

- Yung-Kan Liu (Engineering Mechanics)  
B.S., Ordnance Engineering College  
M.S., National Tsing Hua University

## MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING

- |   |   |
|---|---|
| G. Ashton Byroade (Industrial<br>Engineering)<br>B.S.Ch.E., University of Arkansas<br>B.S.I.E., University of Arkansas              | Gary Don Oliver (Industrial Engineering)<br>B.S.I.E., University of Arkansas              |
| Joe Robert Dyer (Industrial Engineering)<br>B.S.I.E., University of Arkansas  | David Elliott Wilson (Industrial<br>Engineering)<br>B.S., Louisiana Polytechnic Institute |
| Rameshchandra P. Mehta (Industrial<br>Engineering)<br>B.Sc., University of Bombay, India<br>B.S., University of Southwest Louisiana |   |

## MASTER OF SCIENCE IN MECHANICAL ENGINEERING

- |  |  |
|--|--|
| Cecil Calvin Gentry, Jr. (Mechanical<br>Engineering)<br>B.S.I.E., University of Arkansas | Arlis J. McNemar, Jr. (Mechanical<br>Engineering)<br>B.S.M.E., University of Oklahoma    |
| Lester L. Kellogg, Jr. (Mechanical<br>Engineering)<br>B.S.M.E., University of Arkansas   | Thomas George Weiss, Jr. (Mechanical<br>Engineering)<br>B.S.M.E., University of Arkansas |

## MASTER OF MUSIC

- William Alonzo Bruton (Piano)  
B.M., Southern State College

## DOCTOR OF EDUCATION

**Benjamin Harrison Alsip, Jr. (Vocational Education)**  
 B.S., Louisiana State University  
 M.S., Louisiana State University  
 Dissertation: "An Evaluation of Industrial Arts Programs in Public Schools of Louisiana."

**Charles Allen Buhler (Educational Administration)**  
 B.A., Louisiana Polytechnic Institute  
 M.S., University of Arkansas  
 Dissertation: "A Comparison of the Rankings of Twenty Behavior Anecdotes in Terms of Inferences for Mental Health by Psychologists and by Educators with In-Service Child Study."

**June Harris Buhler (Elementary Education)**  
 B.S., in Ed., Texas Christian University  
 M.S., University of Arkansas  
 Dissertation: "An Evaluation of the Children's Literature Program at the University of Arkansas 1947-1963."

**Jesse Monroe Coker (Educational Administration)**  
 B.S.A., University of Arkansas  
 M.Ed., University of Arkansas  
 Dissertation: "A Comparison of Acceleration and Enrichment Methods of Teaching Arithmetic in the Elementary School."

**Roger Flavius Cox (Educational Administration)**  
 B.S., John Brown University  
 M.S., Oklahoma State University  
 Dissertation: "An Investigation of the Incidence in the Operations of Seventy-Eight Colleges of Certain Factors Affecting the Improvement of Instruction."

**Betty Crump (Secondary Education)**  
 B.A., Southern State College  
 M.A., University of Arkansas  
 Dissertation: "Relative Merits of Teaching Vocabulary by a Direct and an Incidental Method."

**Lon R. Farrell (Physical Education)**  
 B.S., Kansas State University  
 M.S., Kansas State University  
 Dissertation: "An Analysis of the Problems of Head High School Football Coaches in the State of Kansas."

**Joe L. Frost (Elementary Education)**  
 B.S.E., Arkansas Polytechnic College  
 M.Ed., University of Arkansas  
 Dissertation: "The Relationship of Welfare Reciprocity Status to Academic Achievement of Rural Elementary School Children."

**Claudie B. Garrison (Educational Administration)**  
 B.A., Henderson State Teachers College  
 M.A., George Peabody College  
 M.S., University of Illinois  
 Dissertation: "An Analysis of the Interrelationships of Economic Indexes of Taxpaying Ability for Schools of Arkansas Counties."

**Omer James Helvey (Physical Education)**  
 B.S.E., Central Missouri State College  
 M.S., University of Arkansas  
 D.A.S., University of Arkansas  
 Dissertation: "The Effects of Isometric, Isotonic, and Sports Programs on Physical Fitness."

**George Everett Hudiburg (Elementary Education)**  
 B.S. in Ed., Kansas State College  
 M.S., Kansas State College  
 Dissertation: "The Relationship of Degrees Held by College Instructors and Teaching Effectiveness."

**James A. Hudson (Secondary Education)**  
 B.A., Southwestern College  
 M.S., Emporia State Teachers College  
 Dissertation: "A Pilot Study of the Influence of Homework in Seventh Grade Mathematics and Attitudes Toward Homework in the Fayetteville Public Schools."

**Wynona Jeanneret Kirkpatrick (Educational Administration)**  
 B.S., Kansas State Teachers College  
 M.S., Kansas State Teachers College  
 Dissertation: "The Emerging Role of Women in Institutions of Higher Education."

**Earl L. McCallon (Elementary Education)**  
 B.S., Lamar State College  
 M.Ed., Stephen F. Austin  
 Dissertation: "Selected Teacher Characteristics and Self-Ideal Self Concepts of Fifth and Sixth Grade Children."

**Stanley Richmond Reed (Educational Administration)**  
 B.A., Hendrix College  
 M.S.E., Henderson State Teachers College  
 Dissertation: "Factors in Retention of University of Arkansas Residence Hall Freshmen."

**Paul Richard Shipman (Educational Administration)**  
 B.S.E., Kansas State Teachers College  
 M.S., Kansas State Teachers College  
 Dissertation: "Selected Factors Related to the Turnover of Public School Superintendents in Arkansas."

## DOCTOR OF PHILOSOPHY

**John Louis Berton (Business Administration)**  
 B.S.B.A., University of Tulsa  
 M.B.A., University of Arkansas  
 Dissertation: "An Evaluation of the Marketing Program of Arkansas Lumber Manufacturers in Selling to the Residential Construction Industry."

**Charles L. Brewer (Psychology)**  
 B.A., Hendrix College  
 M.Ed., University of Arkansas  
 M.A., University of Arkansas  
 Dissertation: "Presentation Time, Trials to Criterion, and Total Time in Verbal Learning."

**William R. Brown (English)**  
 B.S., Middle Tennessee State College  
 M.A., University of Arkansas  
 Dissertation: "William Faulkner's Use of the Material of Abnormal Psychology in Characterization."

**James Conrad Carroll (Business Administration)**  
 B.A., Ouachita Baptist College  
 M.B.A., University of Arkansas  
 Dissertation: "Marketing Practices of Furniture Manufacturers in Arkansas."



- Jack Gordon Dodd (Physics)**  
B.S., Illinois Institute of Technology  
M.S., University of Arkansas  
Dissertation: "Spectra Induced by Proton Impact on Helium."
- Charles Everett Head (Physics)**  
B.S., University of Arkansas  
Dissertation: "Population of Excited States in Fast Helium Atoms by Electron Capture From Helium, Nitrogen, and Oxygen Gases Bombarded by Singly Ionized Helium."
- Neil B. Holliman (Psychology)**  
B.A., University of Arkansas  
M.A., University of Arkansas  
Dissertation: "The Scaling of Incentives and their Ability to Function as Reinforces in Children."
- John Lane Idol, Jr. (English)**  
B.S., Appalachian State Teachers College  
M.A., University of Arkansas  
Dissertation: "Thomas Wolfe's Satire: A Study of Objects, Motives, and Artistry."
- David Bert Kesterson (English)**  
B.S.E., Southwest Missouri State College  
M.A., University of Arkansas  
Dissertation: "Nature in the Life and Works of Nathaniel Hawthorne."
- Herman Lowe (Psychology)**  
B.A., Boston University  
M.S., Lehigh University  
Dissertation: "The Effects of Generalized Drive, Cue Position, and Task Difficulty on Irrelevant Cue Utilization."
- Charles Keith Manka (Physics)**  
B.A., William Jewell College  
M.S., University of Arkansas  
Dissertation: "The Ionic and Radiative Emissions and Conductive Behavior of Transient Plasmas in Vacuo"
- Oleta Elizabeth McWhorter (English)**  
B.A., Western Kentucky State College  
M.A., University of Arkansas  
Dissertation: "Maria Edgeworth's Art of Prose Fiction."
- John Lesly Meason (Chemistry)**  
B.S., West Texas State College  
M.S., University of Arkansas  
Dissertation: "17.5 MeV Photofission of  $U^{238}$ ."
- Robert B. Moler (Chemistry)**  
B.S., Roanoke College  
M.S., University of Arkansas  
Dissertation: "Experimental Results on Electron Capture in the L and M Shells: The M/L-Capture Ratio of  $Cd^{109}$ ."
- Robin Gale Moore (Engineering)**  
B.S.Ch.E., University of Arkansas  
M.S.Ch.E., University of Arkansas  
Dissertation: "A Study Relating Streaming Potential Measurements and Turbulence."
- Peter Lynn Pedersen (Chemistry)**  
B.Ch., University of Tulsa  
Dissertation: "The Source of Phosphate for the Glycolytic Intermediates in Muscular Contraction  
And  
The Effect of Insulin on the Turnover Rates of Phosphate Compounds of Muscle."
- Oliver L. Peters (English)**  
B.A., Baylor University  
M.A., Baylor University  
Dissertation: "A Name, Works, and Selected Subjects Index of the Correspondence of John Gould Fletcher for Correspondents 'A' Through 'K'."
- John L. Philpot (Physics)**  
A.B., William Jewell College  
M.S., University of Arkansas  
Dissertation: "Spectroscopic Study of Controlled Proton Impact on Molecular Nitrogen."
- Robert Craig Pierson (English)**  
B.A., Oklahoma A. & M. College  
M.A., Northwestern University  
Dissertation: "A Study of the Text of Richardson's Sir Charles Grandison."
- Donald Howard Sanders (Business Administration)**  
B.B.A., Texas A. & M. College  
M.B.A., Texas A. & M. College  
Dissertation: "A Study of Managerial Approaches Taken in the Introduction and Use of Electronic Data Processing by Small Southwestern Firms."

## Honorary Degrees

### DOCTOR OF LAWS

Arthur Stanton Adams

NOTE—The above list contains the names of all prospective degree candidates and is not an official list of those actually receiving degrees.